

AMENDMENT

In The Claims:

Claims 1-6. (canceled)

Claim 7. (currently amended) The process of claim 615, further comprising disposing a plurality of solder balls on the second surface of the substrate, wherein the solder balls are connected to the second contacts.

Claim 8. (currently amended) The process of claim 615, further comprising disposing a plurality of pins on the second surface of the substrate, wherein the pins are connected to the second contacts.

Claim 9. (currently amended) The process of claim 615, wherein the method for forming the bumps comprises implanting tin globes and treating surfaces of the first contacts with a flux before implanting the tin globes.

Claim 10. (currently amended) The process of claim 615, wherein the method for forming the bumps comprises printing a tin paste onto surfaces of the first contacts and reflowing the tin paste.

Claim 11. (currently amended) The process of claim 615, wherein the method for forming the bumps comprises forming the bumps on surfaces of the first contacts by

electroplating, thus forming the bumps on the substrate without reflowing.

Claim 12. (canceled)

Claim 13. (currently amended) The process of claim 615, further comprising filling an underfill material between the chip and the substrate, wherein the underfill material covers the bumps.

Claim 14. (currently amended) The process of claim 615, wherein the metal layer is a nickel layer formed by electroless plating.

Claim 15. (previously presented) A flip chip package process, comprising:
providing a substrate having a first surface and an opposite second surface, wherein the substrate includes a plurality of first contacts on the first surface of the substrate and a plurality of second contacts on the second surface of the substrate, and wherein the first contacts are electrically connected to the second contacts;

forming a plurality of bumps on the first surface of the substrate, wherein each bump is connected to one first contact, wherein the bumps have a first melting point;

providing a chip having a plurality of bonding pads corresponding to the bumps, wherein a metal layer is disposed on surfaces of the bonding pads;

forming a conductive adhesive layer on the metal layer, wherein the conductive adhesive layer has a second melting point lower than the first melting point of the bumps;

arranging the chip onto the first surface of the substrate by flipping the chip, so that the bonding pads with the adhesive layer are connected to the bumps; and

reflowing the conductive adhesive layer for wrapping the bumps wherein the bumps remain not melted.

Claim 16. (previously presented) The flip chip package process of claim 15, wherein each of the bumps has a smooth curving top surface.